

U

Notice of Allowability	Application No.	Applicant(s)	
	10/628,887	GELBART, DANIEL	
	Examiner	Art Unit	
	William C. Choi	2873	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. ☒ This communication is responsive to amendment filed 9/27/2005.
- 2. ☒ The allowed claim(s) is/are 1-31.
- 3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 - 1. ☐ Certified copies of the priority documents have been received.
 - 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION.(PTO-152) which gives reason(s) why the oath or declaration is deficient.
 - 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
- 6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |


 RICKY L. MACK
 PRIMARY EXAMINER

Art Unit: 2873

Allowed Claims: 1-31.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: none of the prior art either alone or in combination disclose or teach of the claimed combination of limitations to warrant a rejection under 35 USC 102 or 103.

Specifically, with respect to independent claim 1, none of the prior art alone or in combination disclose or teach of a light valve comprising a plurality of channels for use in an imaging system as claimed, specifically wherein each channel is drivable independently of each of the other channels in response to a single driver input signal to output corresponding radiation beams having non-uniform sizes.

Specifically, with respect to independent claim 4, none of the prior art alone or in combination disclose or teach of a light valve comprising a plurality of individually driven channels for use in an imaging system as claimed, specifically wherein the channels have non-uniform sizes in accordance with a pre-determined pattern to be imaged and wherein the light valve has at least one high resolution channel corresponding to an edge of a low resolution feature.

Specifically, with respect to independent claim 10, none of the prior art alone or in combination disclose or teach of a light valve comprising a plurality of individually driven channels for use in an imaging system as claimed, specifically wherein the channels have non-uniform sizes in accordance with a pre-determined pattern to be

Art Unit: 2873

imaged and wherein the light valve comprises a plurality of low resolution channels spaced apart in accordance with a plurality of low resolution features in the pattern.

Specifically, with respect to independent claim 13, none of the prior art alone or in combination disclose or teach of an imaging system comprising a light valve having a plurality of channels as claimed, specifically wherein each channel is driveable independently of each of the other channels in response to a single driver input signal to output corresponding radiation beams having non-uniform sizes.

Specifically, with respect to independent claim 14, none of the prior art alone or in combination disclose or teach of a method for imaging a regular pattern of features with a multi-channel imaging head as claimed, specifically comprising imaging a body portion of a feature with a low resolution channel and imaging an edge of the feature with at least one high resolution channel.

Specifically, with respect to independent claim 18, none of the prior art alone or in combination disclose or teach of a method of fabricating a light valve for imaging a pattern with a multi-channel imaging system as claimed, specifically comprising fabricating a plurality of uniform regularly spaced light valve elements on a substrate and connecting groups of elements to form low and high resolution channels corresponding to the pattern.

Specifically, with respect to independent claim 30, none of the prior art alone or in combination disclose or teach of a light valve for use in an imaging system comprising first and second groups of light valve elements actuatable by respective single first and second drivers as claimed, specifically wherein the number of the first

Art Unit: 2873

and second light valve elements are different and output beams emitted from respective first and second groups of light valve elements have different sizes.

Specifically, with respect to independent claim 31, none of the prior art alone or in combination disclose or teach of a light valve for use in an imaging system comprising first and second drivers for selectively activating respective first and second channels to emit respective first and second radiation beams from the light valves as claimed, specifically wherein the sizes of the first and second channels are different and the sizes of the first and second output beams are different.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CONCLUSION

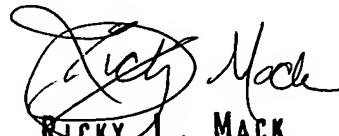
Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Choi whose telephone number is (571) 272-2324. The examiner can normally be reached on Monday-Friday from about 9:00 am to 6 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on (571) 272-2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2873

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

W.C.
William Choi
Patent Examiner
Art Unit 2873
December 8, 2005


RICKY L. MACK
PRIMARY EXAMINER